

“KENDRIYA VIDYALAYA SANGTHAN, AGRA REGION”

SAMPLE QUESTION PAPER (SEE TERM-II) 2021-2022

CLASS – VI

SUBJECT – MATHEMATICS

TIME: 90 MINUTES

M.M.: 40

GENERAL INSTRUCTION:

- All questions are compulsory.
- The question paper consists of 32 questions divided into four section – A, B, C and D
- Section A and B contains 10 questions of one mark each.
- Section C and D contains 6 questions out of which 3 questions of one mark each, 2 questions of two marks each and 1 question of 3 marks.
- Internal choice is given in 1 question of 2 mark and 1 question of 3 marks.
- Use of calculator is not allowed.

SECTION A

- Q1 A circle has _____ Line (s) of symmetry . 1
- Q2 Representation of data in the form of picture is called _____ 1
- Q3 The centre of a circle always lies in of a circle.(interior/exterior) 1
- Q4 A farmer wants to fence his field using wire. He calculate _____ of his field to know the length of wire to be purchased. (Perimeter/ Area) 1
- Q5 The perimeter of an equilateral triangle of side 9 cm = _____ 1
- Q6 If four quantities, taken in order, are in proportion then first and fourth terms are known as _____ terms . (middle/extreme) 1
- Q7 A number which does not have a fixed value is known as _____ . 1
- Q8 A line that divide a figure into two identical parts is known as _____ 1
- Q9 “y is multiplied by 5 and the result is subtracted from 16.”
The expression for this information can be _____ 1
- Q10 For finding the ratio of any two quantities ,they should have _____ units 1

Section B

- Q11 In a bar graph space between rectangle is always: 1
(a) Equal (b) increasing (c) decreasing (d) unequal
- Q12 The ratio of 81 to 108 is: 1
(a) 4:3 (b) 3:4

(c) 9:18 (d) 2:3

Q13 Fill in the following blank by suitable option: $\frac{15}{18} = \frac{\quad}{6}$ 1

(a) 5 (b) 3

(c) 4 (d) 2

Q14 A pictograph shows the number of bulbs sold in a week. For drawing it one symbol of bulb represents 5 bulbs. On Monday 35 bulbs were sold. How many symbols will be there for representing this : 1

(a) 5 (b) 7 (c) 35 (d) none of these

Q15 What will be the area of a square of side 5 cm? 1

(a) 10 cm² (b) 25 cm² (c) 15 cm² (d) 20 cm²

Q16 How many lines of symmetry does an equilateral triangle have? 1

(a) one (b) two (c) three (d) Four

Q17 If two lines intersect each other at right angles then they are: 1

(a) parallel (b) transversal (c) perpendicular (d) diagonal

Q18 Perpendicular bisector of a line segment is also called: 1

(a) diameter (b) axis of symmetry

(c) transversal (d) parallel

Q19 The number of lines of symmetry in the given figure below:



(a) none of these (b) 4 (c) 2 (d) 3 1

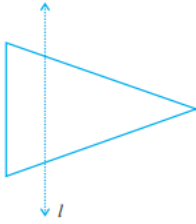
Q20 Which of the following is an equation in variable? 1

(a) $17 = x + 7$ (b) $t - 7 > 5$

(c) $(7 \times 3) - 19 = 8$ (d) $z + 12 > 24$

Section C

Q21 In the figure, l is the line of symmetry. Draw the image of the triangle and complete the diagram so that it becomes symmetric. 1



- Q22 Taking Sarita's present age to be y years . 1
 (i) What will be her age 5 years from now?
 (ii) What was her age 3 years back?

- Q23 A piece of string is 30 cm long. What will be the length of each side if the string is used to form a regular hexagon? 1

- Q24 Are 30, 40, 45 and 60 in proportion? 2

OR

Anish made 42 runs in 6 overs and Anup made 63 runs in 7 overs. Who made more runs per over?

- Q25  2

Find the area of the given figure by counting square method .

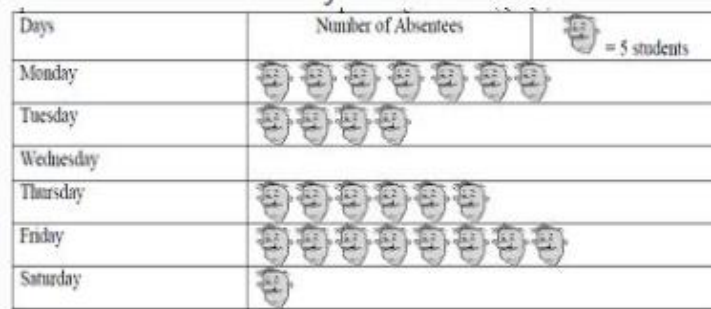
- Q26 The number of Mathematics books sold by a shopkeeper on six consecutive days is shown below. Illustrate this data using bar graph. Choose a scale of your choice.

Days	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
Number of books sold	65	40	30	50	20	70

Section D

- Q27 A floor is 5 m long and 4 m wide. A square carpet of sides 3 m is laid on the floor. 1
 Find the area of the floor that is not carpeted.

- Q28 The following pictograph shows the number of absentees in a class of 50 students during the previous week. 1



On which day were the maximum number of students absent?

- Q29 Shaina pays ₹7500 as rent for 3 months. How much does she has to pay for a whole year, if the rent per month remains same? 1
- Q30 Can you draw a triangle which has 2
- (a) Exactly one line of symmetry?
- (b) Exactly two lines of symmetry?

Sketch a rough figure in each case

- Q31 Complete the table and by inspection of the table find the solution to the equation $m + 10 = 16$. 2

m	4	5	6	7
m+10				

- Q32 Draw an angle of measure 135° and bisect it. 3

OR

Draw a line segment of length 12.8 cm. Using compasses, divide it into four equal parts.